SECTION 1 GENERAL MANUFACTURER, IMPORTER, AND PROCESSOR INFORMATION

PART	A G	ENERAL REPORTING INFORMATION 89 AUG 30 AM 9: 47
1.01	Thi	s Comprehensive Assessment Information Rule (CAIR) Reporting Form has been
CBI	com	pleted in response to the <u>Federal Register Notice of $[1]2$ $[2]2$ $[8]8$ year</u>
[_]	a.	If a Chemical Abstracts Service Number (CAS No.) is provided in the Federal
		Register, list the CAS No $[0]2[6]4[7][-[6]2]-[5]$
	b.	If a chemical substance CAS No. is not provided in the <u>Federal Register</u> , list either (i) the chemical name, (ii) the mixture name, or (iii) the trade name of the chemical substance as provided in the <u>Federal Register</u> .
		(i) Chemical name as listed in the rule NA
		(ii) Name of mixture as listed in the rule NA
		(iii) Trade name as listed in the rule NA
	c.	If a chemical category is provided in the <u>Federal Register</u> , report the name of the category as listed in the rule, the chemical substance CAS No. you are reporting on which falls under the listed category, and the chemical name of the substance you are reporting on which falls under the listed category.
		Name of category as listed in the rule
		CAS No. of chemical substance [_]_]_]_]_]_]_]_]_]_]-[_]]-[_]]
		Name of chemical substance
1.02		entify your reporting status under CAIR by circling the appropriate response(s).
<u>CBI</u>		nufacturer
[_]	Imp	porter
	Pro	ocessor
	X/1	P manufacturer reporting for customer who is a processor 4
		P processor reporting for customer who is a processor
[_]	Mar	k (X) this box if you attach a continuation sheet.

1.03	Does the substance you are reporting on have an "x/p" designation associated with in the above-listed Federal Register Notice?	t
CBI	Yes	04
<u> </u>	No	05
1.04 <u>CBI</u> [_]	a. Do you manufacture, import, or process the listed substance and distribute it under a trade name(s) different than that listed in the <u>Federal Register</u> Notice Circle the appropriate response. Yes	
·,	No	<u> </u>
	$[\overline{igstyle{ imes}}]$ You have chosen to notify your customers of their reporting obligations	
	Provide the trade name(s) REPNEU, PART "A"	
	SUPERFLEX, PART "A"	
	[_] You have chosen to report for your customers	
	You have submitted the trade name(s) to EPA one day after the effective date of the rule in the <u>Federal Register</u> Notice under which you are reporting.	
1.05	If you buy a trade name product and are reporting because you were notified of your reporting requirements by your trade name supplier, provide that trade name.	
CBI	Trade name Rubinate TDI 80/20	
[_]	Is the trade name product a mixture? Circle the appropriate response.	
	Yes	1
	No	2
1.06 CBI	Certification The person who is responsible for the completion of this form must sign the certification statement below:	
<u> </u>	"I hereby certify that, to the best of my knowledge and belief, all information entered on this form is complete and accurate."	
	Roger Powell Aguston 11 1-30-89 NAME SIGNATURE DATE SIGNED	_
	Vice President (713) 474 - 5111 TITLE TELEPHONE NO.	
[_] :	ark (X) this box if you attach a continuation sheet.	-

1.07 <u>CBI</u> [_]	Exemptions From Reporting If you have provided EPA or another Federal agency with the required information on a CAIR Reporting Form for the listed substance within the past 3 years, and this information is current, accurate, and complete for the time period specified in the rule, then sign the certification below. You are required to complete section 1 of this CAIR form and provide any information now required but not previously submitted. Provide a copy of any previous submissions along with your Section 1 submission.						
	"I hereby certify that, to the information which I have not into EPA within the past 3 years aperiod specified in the rule."	cluded :	in th	is CAIR Reporting Fo	orm has been submitted		
	NA						
	NAME	•		SIGNATURE	DATE SIGNED		
	TITLE	(_) _	TELEPHONE NO.	DATE OF PREVIOUS SUBMISSION		
1.08 <u>CBI</u> []	CBI Certification If you have asserted any CBI claims in this report you must certify that the following statements truthfully and accurately apply to all of those confidentiality claims which you have asserted. "My company has taken measures to protect the confidentiality of the information, and it will continue to take these measures; the information is not, and has not been, reasonably ascertainable by other persons (other than government bodies) by using legitimate means (other than discovery based on a showing of special need in a judicial or quasi-judicial proceeding) without my company's consent; the information is not publicly available elsewhere; and disclosure of the information would cause substantial harm to my company's competitive position."						
	NA						
	NAME			SIGNATURE	DATE SIGNED		
	TITLE	() _	TELEPHONE NO.			
	fark (X) this box if you attach a						

PART	B CORPORATE DATA
1.09	Facility Identification
<u>CBI</u>	Name [C]A]R]P]E]N]T]E]R]_]C]H]E]M][]C]A]L]_]C]O]M]P]A]N]Y Address [T]T]O]O]Z]_]C]H]O]A]T]E]_]R]O]A]D]_]_]_]_]_]
	[P]A]5]A]D[E]N]A]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_
	$\begin{bmatrix} \overline{7} \\ \overline{7} \end{bmatrix} \times \begin{bmatrix} \overline{7} \\ \overline{7} \end{bmatrix} = \begin{bmatrix} \overline{7} \\ \overline$
	Dun & Bradstreet Number [0]6]-[5]0]7]-[8]4]9]5] EPA ID Number [0]1]0]7]1]2]0]3]0] Employer ID Number [5]1]0]1]1]4]4]5]0 Primary Standard Industrial Classification (SIC) Code [2]8]6]9] Other SIC Code []1]1]1 Other SIC Code []1]1]1
1.10	Company Headquarters Identification
<u>CBI</u>	Name [C]A]R]P]E]N]T]E]R]_]C]H]E]M]T]C]A]L]_]C]O]M]P]A]N]Y] Address [2]4]O]O]_]J]E]F]F]E]R]S]O]N]_]D]A]V][]S]_]H]W]Y]_
	[R][][]H]M][][N][][][][][][][][][][][][][][][][]
	Dun & Bradstreet Number

1.11	Parent Company Identification
CBI	Name [E]]R]]C A R P E N T E R]C O M P A N Y I N C
[_]	Address [Z]4 0 0 _ J E F F E R 5 0 N _ D A V 5 _ A W Y _ Street
	(<u>R)丁(で)所(の)が(の)が(で)で(ty</u>
	$[\overline{V}]\overline{A}$ $[\overline{2}]\overline{3}$ $[\overline{2}]\psi$ $[\overline{1}][\overline{1}]$ $[\overline{2}]\psi$ $[\overline{2}]\psi$
	Dun & Bradstreet Number $\dots [0]0]-[3]1]0]-[9]4]4]4$
1.12	Technical Contact
CBI	Name $[\underline{W}] \underline{]} \underline{]} \underline{]} \underline{]} \underline{A} \underline{M} \underline{]} \underline{P} \underline{E} \underline{A} \underline{R} \underline{S} \underline{O} \underline{N} \underline{]} \underline{]} \underline{J} \underline{J} \underline{J} \underline{J} \underline{J} \underline{J} \underline{J} J$
[_]	Title [P] [] A] N] T] [] M] A] N] A] B] E] R] [] [] [] [] [] [] [] [] [] [] [] [] []
	Address []]]0]0]2]]C]H]0]A]T]E]_]R]0]A]D]_]]]]]]]]]]]]
	[P]A]5]A]D]E]N]A]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_
	[<u>7]</u> <u>X</u>] [<u>7]</u> <u>7]</u> <u>5]</u> <u>0]</u> 7][<u>]</u>]_]_]_
	Telephone Number $[7]7]4]-[5]7]4]-[5]7]4]-[5]7]4]-[5]7]7$
1.13	This reporting year is from
[_]	Mark (X) this box if you attach a continuation sheet.

1.14	Facility Acquired provide the follo	If you pu wing informat	irchased the	is facility of the seller:	during the	reporti	ıg year,	
<u>CBI</u>	Name of Seller [_ Mailing Address]_]_]_]]_]]]]]]]]]]]]]	111_ 111_]_]_]]	11]_]_]
	NA	[_1_1_1_]_]_]]]]]]]]]]_]_]
				[]] State	[_]_]_	_	[] p	.11
	Employer ID Numbe	r				_JJJ]1
	Date of Sale					[]] Mo.	[_]_] Day	[_] Year
	Contact Person [_1_1_1_1_1_	1_1_1_1]_]]]]
	Telephone Number	•••••		[_	_]]_[]-[_]_]1
1.15	Facility Sold following informa	If you sold thion about the	this facili ne buyer:	ty during th	e reporting	g year,	provide	the
CBI	Name of Buyer []_]_]_]	1111	111_	_111	_1_1_	1_1_
[_]	Mailing Address	[_]_]_]_	1_1_1_1]]]_	_111	_1_1_]_]_
	NA	[_]_]_]_	_1_1_1_1_1]]]]] City	111]_]_]	11]]_
	,			[]] State	[_]_]_]]]. Zi _]	[<u></u>]_]_]_
	Employer ID Numbe	er			[_	_111]_]_
	Date of Purchase				• • • • • • • • •	[]_] Mo.	[_]_] Day	[]_
	Contact Person [_111	1111	111_	_111	11	<u> </u>
	Telephone Number		• • • • • • • • • • • • • • • • • • • •	[_]]_[]-[]	11]-[_]_]_]_
[_]	Mark (X) this box	if you attacl	h a continu	ation sheet.				

<u> </u>	was manufactured, imported, or processed at your facility during the	Quantity (kg/yr)	
	Classification		
	Manufactured		
	Imported		
	Processed (include quantity repackaged)		
	Of that quantity manufactured or imported, report that quantity:		
	In storage at the beginning of the reporting year	·NA	
	For on-site use or processing	·NA	
	For direct commercial distribution (including export)	. <u>NA</u>	
	In storage at the end of the reporting year	. <u>NA</u>	
	Of that quantity processed, report that quantity:		
	In storage at the beginning of the reporting year	18,095	
	Processed as a reactant (chemical producer)		
	Processed as a formulation component (mixture producer)		
	Processed as an article component (article producer)		
	Repackaged (including export)		
	In storage at the end of the reporting year		
	•		

1.17 Mixture If the listed substance on which you are required to report is or a component of a mixture, provide the following information for each cochemical. (If the mixture composition is variable, report an average perceach component chemical for all formulations.) CBI						
]] Component Name	Supplier Name	Composition (specify pr	Average % Composition by Weight (specify precision, e.g., 45% ± 0.5%)			
NA	NA	NA	×			
		Total	100%			
		lotai	100%			
	•					
	*					

2.04	State the quantity of the listed substance that your facility manufactured, imported, or processed during the 3 corporate fiscal years preceding the reporting year in descending order.
CBI	
[_]	Year ending [\overline{\overline{1}2}\overline{\overline{8}7}\overline{9}9
	Quantity manufactured NA kg
	Quantity imported
	Quantity processed
	Year ending [1]2][8]6 Mo. Year
	Quantity manufactured
	Quantity imported
	Quantity processed
	Year ending [1]2][8]5] Mo. Year
	Quantity manufactured NA kg
	Quantity imported
	Quantity processed
2.05 <u>CBI</u> []	Specify the manner in which you manufactured the listed substance. Circle all appropriate process types. NA Continuous process
	Batch process
[_]	Mark (X) this box if you attach a continuation sheet.

1				
2.06 CBI	Specify the manner in appropriate process ty		he listed substance.	Circle all
[_]				1
•	Continuous process			
	Semicontinuous process			2
	Batch process			3
2.07	State your facility's substance. (If you ar	name-plate capacity f e a batch manufacture	or manufacturing or per or batch processor,	rocessing the listed do not answer this
CBI	question.)	NA		
[_]				1cm/11m
	Manufacturing capacity			
	Processing capacity .			kg/yr
CBI	manufactured, imported year, estimate the inc volume.	, or processed at any rease or decrease bas Manufacturing	time after your curred upon the reporting Importing	ent corporate fiscal year's production Processing
[_]		Quantity (kg)	Quantity (kg)	Quantity (kg)
	Amount of increase	NA	NA	0
	Amount of decrease	NA	NA	D
[_]	Mark (X) this box if y	ou attach a continuat	ion sheet.	

2.09	For the three largest volume manufacturing or processing process types involving the listed substance, specify the number of days you manufactured or processed the list substance during the reporting year. Also specify the average number of hours per day each process type was operated. (If only one or two operations are involved, list those.)				
CBI			Days/Year	Average Hours/Day	
	Process Type #1	(The process type involving the largest quantity of the listed substance.)			
		Manufactured	NA_	NA	
		Processed	_62		
	Process Type #2	(The process type involving the 2nd largest quantity of the listed substance.)			
		Manufactured	NA	NA	
		Processed	<u>NA</u>	N A	
	Process Type #3	(The process type involving the 3rd largest quantity of the listed substance.)			
		Manufactured	NA_	NA	
		Processed	NA_	NA	
2 10 <u>CBI</u> [_]	substance that chemical. Maximum daily i	um daily inventory and average monthly inventory was stored on-site during the reporting year in nventory	the form of	ted a bulk kg	
[_]	Mark (X) this b	ox if you attach a continuation sheet.	•		

CAS No.		Byproduct, Coproduct	Concentration (%) (specify ±	Source of By- products, Co- products, or
CAS NO.	Chemical Name	or Impurity	% precision)	Impurities
NA	NA	NA	NA	NA
	-			
Use the follo	owing codes to designa	te byproduct, copro	oduct, or impurity	y :
	Use the foll B = Byproduc		Use the following codes to designate byproduct, copro	Use the following codes to designate byproduct, coproduct, or impurit B = Byproduct

 $[\ \]$ Mark (X) this box if you attach a continuation sheet.

a. 1	b. % of Quantity Manufactured, Imported, or	c. % of Quantity Used Captively	d. Type of End-User
Product Types ¹	Processed	0n-Site	Type of End-user
A = Solvent B = Synthetic reactang C = Catalyst/Initiator Sensitizer D = Inhibitor/Stabilic Antioxidant E = Analytical reagence F = Chelator/Coagulance G = Cleanser/Detergence H = Lubricant/Friction agent I = Surfactant/Emulsic J = Flame retardant K = Coating/Binder/Add	r/Accelerator/ zer/Scavenger/ t t/Sequestrant t/Degreaser n modifier/Antiwear fier hesive and additives	<pre>M = Plasticizer N = Dye/Pigment/Co 0 = Photographic/R</pre>	icals and additives or chemicals rol chemicals ids and additives d additives difier
I = Industrial	CS = Cons		

		nple.)		d.
	a.	b.	с.	u.
	Product Types ¹	% of Quantity Manufactured, Imported, or Processed	% of Quantity Used Captively On-Site	Type of End-Users ²
	L	100	62.6	I
-				
	¹ Use the following code	es to designate prod		
	A = Solvent		L = Moldable/Castab	le/Rubber and additive
-	A = Solvent B = Synthetic reactant	- · · · · · · · · · · · · · · · · · · ·	L = Moldable/Castab M = Plasticizer	
	A = Solvent B = Synthetic reactant C = Catalyst/Initiator Sensitizer	t c/Accelerator/	L = Moldable/Castab M = Plasticizer N = Dye/Pigment/Cole O = Photographic/Re	orant/Ink and additive
	A = Solvent B = Synthetic reactant C = Catalyst/Initiator Sensitizer D = Inhibitor/Stabiliz	t c/Accelerator/	L = Moldable/Castab M = Plasticizer N = Dye/Pigment/Cole O = Photographic/Rej and additives	orant/Ink and additive prographic chemical
	A = Solvent B = Synthetic reactant C = Catalyst/Initiator Sensitizer D = Inhibitor/Stabilic Antioxidant	t c/Accelerator/ cer/Scavenger/	L = Moldable/Castab M = Plasticizer N = Dye/Pigment/Cole O = Photographic/Re and additives P = Electrodeposition	orant/Ink and additives prographic chemical on/Plating chemicals
	A = Solvent B = Synthetic reactant C = Catalyst/Initiator Sensitizer D = Inhibitor/Stabilic Antioxidant E = Analytical reagent	t c/Accelerator/ cer/Scavenger/	L = Moldable/Castab M = Plasticizer N = Dye/Pigment/Cole O = Photographic/Re and additives P = Electrodeposition Q = Fuel and fuel accompanion	orant/Ink and additives prographic chemical on/Plating chemicals dditives
	A = Solvent B = Synthetic reactant C = Catalyst/Initiator Sensitizer D = Inhibitor/Stabilic Antioxidant E = Analytical reagent F = Chelator/Coagulant	t c/Accelerator/ cer/Scavenger/ t t/Sequestrant	L = Moldable/Castab M = Plasticizer N = Dye/Pigment/Colo O = Photographic/Repand additives P = Electrodeposition Q = Fuel and fuel and R = Explosive chemic	orant/Ink and additive prographic chemical on/Plating chemicals dditives cals and additives
	A = Solvent B = Synthetic reactant C = Catalyst/Initiator Sensitizer D = Inhibitor/Stabilic Antioxidant E = Analytical reagent	t c/Accelerator/ cer/Scavenger/ t t/Sequestrant t/Degreaser	L = Moldable/Castab M = Plasticizer N = Dye/Pigment/Cole O = Photographic/Rej and additives P = Electrodepositic Q = Fuel and fuel ac R = Explosive chemic S = Fragrance/Flavor T = Pollution control	orant/Ink and additive. prographic chemical on/Plating chemicals dditives cals and additives c chemicals ol chemicals
	A = Solvent B = Synthetic reactant C = Catalyst/Initiator Sensitizer D = Inhibitor/Stabiliz Antioxidant E = Analytical reagent F = Chelator/Coagulant G = Cleanser/Detergent H = Lubricant/Friction agent	t c/Accelerator/ zer/Scavenger/ t t/Sequestrant t/Degreaser n modifier/Antiwear	L = Moldable/Castab M = Plasticizer N = Dye/Pigment/Cole O = Photographic/Re and additives P = Electrodepositic Q = Fuel and fuel ac R = Explosive chemic S = Fragrance/Flavor T = Pollution control U = Functional fluid	orant/Ink and additive prographic chemical on/Plating chemicals dditives cals and additives chemicals ol chemicals ds and additives
	A = Solvent B = Synthetic reactant C = Catalyst/Initiator Sensitizer D = Inhibitor/Stabilic Antioxidant E = Analytical reagent F = Chelator/Coagulant G = Cleanser/Detergent H = Lubricant/Friction agent I = Surfactant/Emulsic	t c/Accelerator/ zer/Scavenger/ t t/Sequestrant t/Degreaser n modifier/Antiwear	L = Moldable/Castab M = Plasticizer N = Dye/Pigment/Cole O = Photographic/Re and additives P = Electrodeposition Q = Fuel and fuel and R = Explosive chemical S = Fragrance/Flavor T = Pollution control U = Functional fluid V = Metal alloy and	orant/Ink and additive prographic chemical on/Plating chemicals dditives cals and additives chemicals ol chemicals and additives additives
	A = Solvent B = Synthetic reactant C = Catalyst/Initiator Sensitizer D = Inhibitor/Stabiliz Antioxidant E = Analytical reagent F = Chelator/Coagulant G = Cleanser/Detergent H = Lubricant/Friction agent I = Surfactant/Emulsit J = Flame retardant	t c/Accelerator/ cer/Scavenger/ t t/Sequestrant t/Degreaser n modifier/Antiwear	L = Moldable/Castab M = Plasticizer N = Dye/Pigment/Colo O = Photographic/Repand additives P = Electrodeposition Q = Fuel and fuel and R = Explosive chemical S = Fragrance/Flavor T = Pollution control U = Functional fluid V = Metal alloy and W = Rheological model	orant/Ink and additive prographic chemical on/Plating chemicals dditives cals and additives chemicals ol chemicals and additives additives
	A = Solvent B = Synthetic reactant C = Catalyst/Initiator Sensitizer D = Inhibitor/Stabilic Antioxidant E = Analytical reagent F = Chelator/Coagulant G = Cleanser/Detergent H = Lubricant/Friction agent I = Surfactant/Emulsic	t c/Accelerator/ cer/Scavenger/ t t/Sequestrant t/Degreaser n modifier/Antiwear	L = Moldable/Castab M = Plasticizer N = Dye/Pigment/Colo O = Photographic/Repand additives P = Electrodeposition Q = Fuel and fuel and R = Explosive chemical S = Fragrance/Flavor T = Pollution control U = Functional fluid V = Metal alloy and W = Rheological model	orant/Ink and additive prographic chemical on/Plating chemicals dditives cals and additives chemicals ol chemicals and additives additives
	A = Solvent B = Synthetic reactant C = Catalyst/Initiator Sensitizer D = Inhibitor/Stabiliz Antioxidant E = Analytical reagent F = Chelator/Coagulant G = Cleanser/Detergent H = Lubricant/Friction agent I = Surfactant/Emulsit J = Flame retardant	t c/Accelerator/ cer/Scavenger/ t t/Sequestrant t/Degreaser n modifier/Antiwear fier nesive and additives	L = Moldable/Castab M = Plasticizer N = Dye/Pigment/Colo O = Photographic/Repand additives P = Electrodeposition Q = Fuel and fuel act R = Explosive chemical S = Fragrance/Flavor T = Pollution control U = Functional fluid V = Metal alloy and W = Rheological mode X = Other (specify)	orant/Ink and additives prographic chemical on/Plating chemicals dditives cals and additives chemicals ol chemicals and additives additives
	A = Solvent B = Synthetic reactant C = Catalyst/Initiator Sensitizer D = Inhibitor/Stabilic Antioxidant E = Analytical reagent F = Chelator/Coagulant G = Cleanser/Detergent H = Lubricant/Friction agent I = Surfactant/Emulsic J = Flame retardant K = Coating/Binder/Add	t c/Accelerator/ cer/Scavenger/ t t/Sequestrant t/Degreaser n modifier/Antiwear fier nesive and additives es to designate the CS = Cons	L = Moldable/Castab M = Plasticizer N = Dye/Pigment/Cole O = Photographic/Rej and additives P = Electrodepositic Q = Fuel and fuel ac R = Explosive chemic S = Fragrance/Flavor T = Pollution control U = Functional fluid V = Metal alloy and W = Rheological mod X = Other (specify) type of end-users:	prant/Ink and additives prographic chemical on/Plating chemicals dditives cals and additives chemicals ol chemicals ds and additives additives additives

	a.	b.	C.	d.
			Average % Composition of	
-	Product Type ¹	Final Product's Physical Form ²	Listed Substance in Final Product	Type of End-Users ³
-	L	B	3.7	I
-				
_				
1	Use the following o	odes to designate pro	duct types:	
	A = Solvent		L = Moldable/Castabl	e/Rubber and additiv
	B = Synthetic react		M = Plasticizer	
	C = Catalyst/Initia	tor/Accelerator/	N = Dye/Pigment/Colo	
	Sensitizer D = Inhibitor/Stabi	lizer/Seavenger/	<pre>0 = Photographic/Rep and additives</pre>	rographic chemical
	Antioxidant	112e1/ Scavenge1/	P = Electrodeposition	n/Plating chemicals
	E = Analytical reag	ent	Q = Fuel and fuel ad	
	F = Chelator/Coagul		R = Explosive chemic	
	G = Cleanser/Deterg	ent/Degreaser	S = Fragrance/Flavor	chemicals
		ion modifier/Antiwear	T = Pollution contro	
	agent	. 1.51	U = Functional fluid	
	I = Surfactant/Emul J = Flame retardant		V = Metal alloy and a	
		Adhesive and additive:	W = Rheological modi	rier
			final product's physic	cal form:
	A = Gas		stalline solid	
	B = Liquid	F3 = Grainer		
	C = Aqueous solutio			
	D = Paste	G = Gel		
	E = Slurry F1 = Powder	H = Othe	er (specify)	
		odes to designate the	type of end-users:	
	I = Industrial	CS = Cons		
	CM = Commercial		er (specify)	

tomer Use Estimate the quantity of the listed substance prepared by your customers during the reporting year for us		2 3 4 5
lcar ge, Vessel eline ne er (specify) tomer Use Estimate the quantity of the listed substance		2 3 4 5
ge, Vessel eline ne er (specify) tomer Use Estimate the quantity of the listed substance		3 4
eline ne er (specify) tomer Use Estimate the quantity of the listed substance		4
er (specify)		5
er (specify) tomer Use Estimate the quantity of the listed substance		
tomer Use Estimate the quantity of the listed substance		
tomer Use Estimate the quantity of the listed substance		
end use listed (i-iv).	used by your cu se under each ca	stomers tegory
egory of End Use		
Industrial Products		
Chemical or mixture	52,897	kg/yr
Article	NA	kg/yr
Commercial Products		
Chemical or mixture	NA	kg/yr
Article	NA	kg/yr
. Consumer Products		
Chemical or mixture	NA	kg/yr
Article	NA	kg/yr
Other		
Distribution (excluding export)	NA	kg/yr
		kg/yr
Quantity of substance consumed as reactant	NA	kg/yr
		kg/yr
	Chemical or mixture	Industrial Products 52,897 Chemical or mixture NA Commercial Products NA Chemical or mixture NA Article NA Consumer Products NA Chemical or mixture NA Article NA Other Distribution (excluding export) NA Export NA Quantity of substance consumed as reactant NA

CECTION	3	DDOCECCOR	DAU	MATERTAL.	IDENTIFICATION
SECH LUIV	٠,	PRULESSUR	N M M	LINITUTAL	TDDDLLTLTCUTTON

PART	A GENERAL DATA		
3.01 CBI	Specify the quantity purchased and the average price for each major source of supply listed. Product trad The average price is the market value of the product substance.	es are treated as	s purchases.
[_]	Source of Supply	Quantity (kg)	Average Price (\$/kg)
	The listed substance was manufactured on-site.	NA	NA
	The listed substance was transferred from a different company site.	NA	NA
	The listed substance was purchased directly from a manufacturer or importer.	141,437	2.37
	The listed substance was purchased from a distributor or repackager.	NA	NA
	The listed substance was purchased from a mixture producer.	NA	NA
3.02 CBI	Circle all applicable modes of transportation used to your facility.	deliver the lis	ted substance to
[_]	Truck		①
	Railcar		2
	Barge, Vessel		3
	Pipeline		4
	Plane		5
	Other (specify)		6
	Mark (X) this box if you attach a continuation sheet.		

3.03 CBI	а.	Circle all applicable containers used to transport the listed substance to your facility.
[_]		Bags
		Free standing tank cylinders
		Tank rail cars
		Hopper cars
		Tank trucks
		_
		Hopper trucks 7
		Drums 8
		Pipeline 9
		Other (specify)10
	b.	If the listed substance is transported in pressurized tank cylinders, tank rail cars, or tank trucks, state the pressure of the tanks.
		Tank cylinders
		Tank rail cars
		Tank trucks NA mmHg
		·
	•	
[-]	Mark	(X) this box if you attach a continuation sheet.

of the mixtur BI average perce	re, the name ent compositi	of its supplier(s on by weight of t	ubstance in the form of a mixture, list the trade name(s) f its supplier(s) or manufacturer(s), an estimate of the n by weight of the listed substance in the mixture, and the during the reporting year.			
Trade Name	2	Supplier or Manufacturer	Average % Composition by Weight (specify <u>+</u> % precision)	Amount Processed (kg/yr)		
NA		NA	NA NA	NA		
		44.50				
			•			

05 <u>I</u>	reporting year in the form of a class I chemical, class II chemical, or pother the percent composition, by weight, of the listed substance.				
<u>_</u>]		Quantity Used (kg/yr)	% Composition by Weight of Listed Sub- stance in Raw Material (specify ± % precision		
	Class I chemical	141,437	100		
	Class II chemical	NA.	NA		
	Polymer	NA	NA		

SECTION 4 PHYSICAL/CHEMICAL PROPERTIES	SECTION A	PHYSTCAL/CHEMICAL	PROPERTIES
--	-----------	-------------------	------------

General	Instructions:
---------	---------------

If you are reporting on a mixture as defined in the glossary, reply to questions in Section 4 that are inappropriate to mixtures by stating "NA -- mixture."

For questions 4.06-4.15, if you possess any hazard warning statement, label, MSDS, or other notice that addresses the information requested, you may submit a copy or reasonable facsimile in lieu of answering those questions which it addresses.

PART A	PHYSICAL/	CHEMICAL	DATA	SUMMARY
--------	-----------	----------	------	---------

/ ₄ ∩1	Specify the percent purity for the three major technical grade(s) of the listed
	substance as it is manufactured. imported, or processed. Measure the purity of the
CRT	substance in the final product form for manufacturing activities, at the time you
	import the substance, or at the point you begin to process the substance.
r 1	·

	Manufacture	Import	Process
Technical grade #1	NA % purity	NA % purity	99.7 % purity
Technical grade #2	NA % purity	NA % purity	NA % purity
Technical grade #3	NA % purity	NA % purity	NA % purity

Submit your most recently updated Material Safety Data Sheet (MSDS) for the listed substance, and for every formulation containing the listed substance. If you posses an MSDS that you developed and an MSDS developed by a different source, submit your version. Indicate whether at least one MSDS has been submitted by circling the
appropriate response.

Yes)
No 2	!
Indicate whether the MSDS was developed by your company or by a different source.	
Your company 1	L
Another source	9

	Mark	(X)	this	box	if	you	attach	a	continuation	sheet.
--	------	-----	------	-----	----	-----	--------	---	--------------	--------

¹Major = Greatest quantity of listed substance manufactured, imported or processed.

4.03	Submit a copy or reasonable facsimile of any hazard information (other than an MSDS) that is provided to your customers/users regarding the listed substance or any formulation containing the listed substance. Indicate whether this information has been submitted by circling the appropriate response.
	Yes
	No 2
4.04	For each activity that uses the listed substance, circle all the applicable number(s) corresponding to each physical state of the listed substance during the activity listed. Physical states for importing and processing activities are determined at

corresponding to each physical state of the listed substance during the activity listed. Physical states for importing and processing activities are determined at the time you import or begin to process the listed substance. Physical states for manufacturing, storage, disposal and transport activities are determined using the final state of the product.

		Phy	sical State		· · · · · · · · · · · · · · · · · · ·	
Activity	Solid	Slurry	Liquid	Liquified Gas	Gas	
Manufacture NA	1	2	3	4	5	
Import NA	1	2	3	4	5	
Process	1	2	3	4	5	
Store	1	2.	3	4	5	
Dispose NA	1	2	3	4	5	
Transport	1	2	(3)	4	5	
-	1	2	(3)	4	5	

 $[\underline{}]$ Mark (X) this box if you attach a continuation sheet.

Physical State		Manufacture	Import	Process	Store	Dispose	Transport
Dust	<1 micron	NA	NA	NA	NA	_NA_	NA
	1 to <5 microns	_NA	NA	NA	NA	_NA	NA.
	5 to <10 microns	NA	_NA	NA_	_NA	NA	_NA
Powder	<1 micron	NA	NA_	_NA	_NA_	NA_	NA.
	1 to <5 microns	NA	_NA_	_NA_	NA	NA_	NA
	5 to <10 microns	NA	NA_	NA_	NA_	_NA	NA.
Fiber	<1 micron	NA	_NA	NA	NA_	_NA	_NA
	1 to <5 microns	NA	NA_	NA_	NA	_NA	_NA
	5 to <10 microns	NA	NA_	NA_	_NA_	NA	_NA
Aerosol	<1 micron	NA	NA	NA_	NA	_NA	_NA
	1 to <5 microns	_NA	_NA	_NA	NA	NA	NA
	5 to <10 microns	NA	NA	_NA_	NA	_NA_	NA_

 $[\ \]$ Mark (X) this box if you attach a continuation sheet.

SECTION	5	ENVIRONMENTAL	FATE
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		icate the rate constants for the following transformation processes.	
a	1.	Photolysis: Absorption spectrum coefficient (peak) UK (1/M cm) at UK	
		Reaction quantum yield, 6	
		Direct photolysis rate constant, k _p , at 1/hr1	
h).	Oxidation constants at 25°C:	atitu
·	•	For ${}^{1}0_{2}$ (singlet oxygen), k_{ox}	1 /M
		For RO ₂ (peroxy radical), k _{ox}	
c	: .	Five-day biochemical oxygen demand, BOD ₅ UK	
d		Biotransformation rate constant:	_ '''8' -
		For bacterial transformation in water, $k_b \dots $	1/hr
		Specify culture	
e	! •	Hydrolysis rate constants:	
		For base-promoted process, k _B UK	1/M
		For acid-promoted process, k _A	
		For neutral process, k _N	
f	•	Chemical reduction rate (specify conditions)	- ''''' -
g.		Other (such as spontaneous degradation)	-
•	•	tomet (outen de opontamente degradation)	_

 $[\]$ Mark (X) this box if you attach a continuation sheet.

PART	в Р	ARTITION COEFFICIENTS	\$				
5.02	a.	Specify the half-lif	e of the listed subs	tance in the	followin	g medi	a.
		<u>Media</u>		Half-life	e (specif	y unit	<u>s)</u>
		Groundwater		UK			
		Atmosphere		JK			
		Surface water		UK			
		Soil	<u> </u>	UK			and the same of th
	b.	Identify the listed life greater than 24	substance's known tr hours.	ansformation	products	that	have a half-
		CAS No.	Name	Half-l (specify			Media
٠		UK	UK	UK_		in	
						in	
						in	
						in	
5.03		cify the octanol-wate					at 25°C
5.04		cify the soil-water p					at 25°C
5.05	Spe	cify the organic carb	oon-water partition		UK		at 25°C
5.06	Spe	ecify the Henry's Law	Constant, H		UK	****	atm-m³/mole
[_]	Mar	k (X) this box if you	ı attach a continuati	on sheet.	····		

Bioconcentration Factor	Species	Test ¹
UK	UK	UK
¹ Use the following codes to de	esignate the type of test:	
F = Flowthrough		
S = Static		
		·

[_]		Quantity Sold or	Total Sales
	Market	Transferred (kg/yr)	Value (\$/yr)
	Retail sales		
	Distribution Wholesalers		
	Distribution Retailers		
	Intra-company transfer		
	Repackagers		-
	Mixture producers		
	Article producers		
	Other chemical manufacturers or processors		
	Exporters		
	Other (specify)		
6.05	Substitutes List all known comm for the listed substance and state feasible substitute is one which in in your current operation, and whi	the cost of each substitut s economically and technolo	e. A commercially gically feasible to us
CBI	nortormanco in ita ond ucoc		
<u>CBI</u>	performance in its end uses.		~
	Substitute		Cost (\$/kg)
	•		<u>Cost (\$/kg)</u> UK
	•		
	•		
	•		
	•		
	•		

SECTION 7 MANUFACTURING AND PROCESSING INFORMATION

General Instructions:

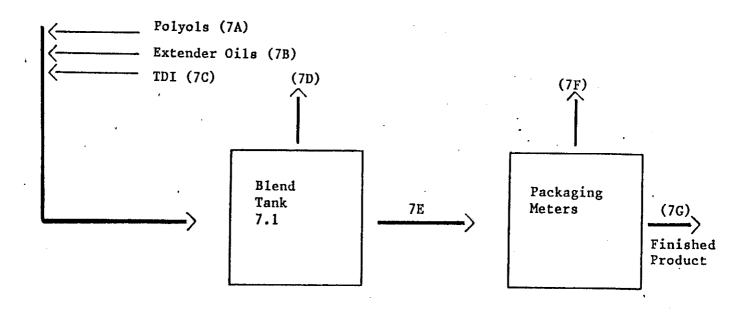
For questions 7.04-7.06, provide a separate response for each process block flow diagram provided in questions 7.01, 7.02, and 7.03. Identify the process type from which the information is extracted.

PART A MANUFACTURING AND PROCESSING PROCESS TYPE DESCRIPTION

7.01 In accordance with the instructions, provide a process block flow diagram showing the major (greatest volume) process type involving the listed substance.

CBI

Process type LIQUID CHEMICAL BLENDING PROCESS

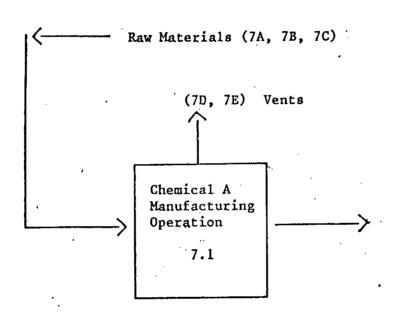


[_] Mark (X) this box if you attach a continuation sheet.

7.03 In accordance with the instructions, provide a process block flow diagram showing all process emission streams and emission points that contain the listed substance and which, if combined, would total at least 90 percent of all facility emissions if not treated before emission into the environment. If all such emissions are released from one process type, provide a process block flow diagram using the instructions for question 7.01. If all such emissions are released from more than one process type, provide a process block flow diagram showing each process type as a separate block.

CBI

Process type LIQUID CHEMICAL BLENDING PROCESS



[] Mark (X) this box if you attach a continuation sheet.

<u>CBI</u>	process type.			10 00 mm of 6	
[_]	Process type	LIQUID CH	IEMICAL BLEND	ING PROCESS	<u></u>
	Unit Operation ID Number 7.	Typical Equipment	Operating Temperature Range (°C)	Operating Pressure Range (mm Hg) APPROX. 764 mmHg or SLIGHTLY OVER ATMOSPHERIC	Vessel Composition STEEL
	<u> </u>				

			,		

7.05	process block	process stream identified in yo flow diagram is provided for mo omplete it separately for each	re than one process type	lagram(s). If a e, photocopy thi
<u>CBI</u>				
[_]	Process type .	LIQUID CHEMICAL	- BLENDING PROCE	55
	Process Stream ID Code	Process Stream Description	Physical State ¹	Stream Flow (kg/yr)
	7D	BLEND TANK	GU	0.025
	7F	PACKAGING	GU	0.01
	GC = Gas (con GU = Gas (unc SO = Solid SY = Sludge o AL = Aqueous OL = Organic	liquid	e and pressure) are and pressure)	
		box if you attach a continuatio		

} Process t	ype LIQUID C	HEMICAL BLENDING PROCESS				
a.	b.	с.	d.	e.		
Process Stream ID Code	Known Compounds ¹	Concen- trations ^{2,3} (% or ppm)	Other Expected Compounds	Estimated Concentration (% or ppm)		
7D	NITROGEN	99.9 % (E)	NA	NA		
	TDI	<0.1% (E)	NA	NA		
	EXTENDER OILS	.01 PPM(E)_	NA	NA		
	POLYOL	OI PPM(E)_	NA	NA		
7F	NITROGEN	99.9% (E)	NA	NA_		
	TDI	<0.1%(E)	NA	NA		
	EXTENDER OILS	.01 PPM(E)_	NA	NA_		
	POLYOL	OI PPM(E)	NA	<u>NA</u>		
			i			
06 continue	d below					

7.06	(continued)
,	(

¹For each additive package introduced into a process stream, specify the compounds that are present in each additive package, and the concentration of each component. Assign an additive package number to each additive package and list this number in column b. (Refer to the instructions for further explanation and an example. Refer to the glossary for the definition of additive package.)

Additive Package Number	Components of Additive Package	Concentrations (% or ppm)
1	NA	NA
2		
3		
		· ·
4		
5		
se the following codes to	designate how the concentration	was determined:
<pre>= Analytical result = Engineering judgement/</pre>	calculation	
se the following codes to	designate how the concentration	was measured:
<pre>= Volume = Weight</pre>		

.01 BI	In accordan which descr	ce with ibes th	the instruct e treatment p	ions, provi process used	de a re for re	sidual sidual	treatment bloos identified in	ck flow diagram n question 7.01
<u></u> 1	Process type LIQUID CHEMICAL BLENDING PROCESS							
							GENERATE	RESIDUALS.
	,							
ş.								

8.05 <u>CBI</u>	process	type, photo	cesidual trea Ocopy this du	tment block f estion and co	in your residu low diagram is mplete it sepa r explanation	provided for	more than o
[_]	Process	type	LIQUI	D CHEMICAL	BLENDING	PROCESS	
	a.	b.	с.	d.	е.	f.	g.
	Stream ID Code	Type of Hazardous Waste	Physical State of Residual ²	Known Compounds ³	Concentra- tions (% or ppm) 4,5,6	Other Expected Compounds	Estimated Concen- trations (% or ppm)
	NA	NA	NA	NA	NA	NA	NA
				·			
						The second secon	
							-

-							
.05 c	ontinue	d below				·	

8.05 (continued) ¹Use the following codes to designate the type of hazardous waste: I = Ignitable C = Corrosive R = ReactiveE = EP toxicT = ToxicH = Acutely hazardous ²Use the following codes to designate the physical state of the residual: GC = Gas (condensible at ambient temperature and pressure) GU = Gas (uncondensible at ambient temperature and pressure) SO = SolidSY = Sludge or slurry

IL = Immiscible liquid (specify phases, e.g., 90% water, 10% toluene)

8.05 continued below

AL = Aqueous liquid OL = Organic liquid

[] Mark (X) this box if you attach a continuation sheet.

8.05	(con	t i	nue	d)
0.03	COII	ĻΙ	mac	· u ,

8.05

³For each additive package introduced into a process stream, specify the compounds that are present in each additive package, and the concentration of each component. Assign an additive package number to each additive package and list this number in column d. (Refer to the instructions for further explanation and an example. Refer to the glossary for the definition of additive package.)

Additive Package Number	Components of Additive Package	Concentrations (% or ppm)
1	NA	NA
_		
2		
3		
4		
5	·	
4	designate how the concentrat	ion was determined:
*Use the following codes to A = Analytical result	designate now the concentrat	Ton was december.
E = Engineering judgement/	calculation	
continued below		
Mark (X) this box if you at	ttach a continuation sheet.	

8		ሰ	5	1	_	a	n	t	i	n	u	e	d)
o	•	v	J	١.	٠.	v		·	_	••	•	_	•	•

⁵Use the following codes to designate how the concentration was measured:

V = Volume

W = Weight

⁶Specify the analytical test methods used and their detection limits in the table below. Assign a code to each test method used and list those codes in column e.

<u>Code</u>	Method NA	Detection Limit (± ug/l) NA
2		
3		
4		
6		

[_] Mark (X) this box if you attach a continuation sheet.

<u>CBI</u>								
[_]	Process	type	LIQUII	D CHEMICA	L BLEN	DING PRO	CESS	
	a.	b.	c.	d.	е	•*	f. Costs for	g.
	Stream ID Code	Waste Description Code ¹	Management Method Code ²	Residual Quantities (kg/yr)	of Resi	gement dual (%) Off-Site	Off-Site Management (per kg)	Changes in Management Methods
	NA	NA	NA	NA_	NA_	NA_	NA_	NA_
	¹ Use th	ne codes prov ne codes prov	vided in Exh	ibit 8-1 to	designate	the waste	description	is Is

[_]		Ch	ustion amber ture (°C)	Temp	tion of erature nitor	In Con	ence Time nbustion (seconds)
	Incinerator	Primary	Secondary	Primary	Secondary	Primary	Secondary
	1						
	2					***************************************	
	3		***************************************			<u></u>	
		ing the app	ropriate resp	oonse.	s been submit	• • • • • • • • • • • • • • • • • • • •	1
8.23	Complete the f						
8.23 <u>CBI</u> []	Complete the f are used on-si treatment bloc	te to burn	the residuals ram(s).	identified		ess block or Types	residual of
CBI	are used on-si	te to burn	the residuals ram(s). Air Po			ess block or	residual of s Data
CBI	are used on-si treatment bloc	te to burn	the residuals ram(s). Air Po	identified		ess block or Types Emission	residual of s Data
CBI	are used on-si treatment bloc Incinerator	te to burn	the residuals ram(s). Air Po <u>Control</u>	identified llution Device		ess block or Types Emission Avail	residual of s Data
CBI	are used on-si treatment block Incinerator	te to burn	the residuals ram(s). Air Po Control	identified llution Device		Ess block or Types Emission Avail	residual of s Data
CBI	Incinerator 2 Indicate	te to burn on the k flow diagn	the residuals ram(s). Air Po Control NA NA	llution Device statement of the statem		Types Emission Avail NA NA	residual of s Data able
CBI	Incinerator 2 Indicate by circl	te to burn he flow diagn	the residuals ram(s). Air Po Control NA NA of Solid Wast ropriate resp	llution Device A e survey has	in your proc	Types Emission Avail NA NA NA NA	of s Data able
CBI	Incinerator 1 2 3 Indicate by circl Yes	if Office o	Air Po Control NA NA Of Solid Wast ropriate resp	llution Device statements e survey has onse.	in your proc	Types Emission Avail NA NA NA ted in lieu	of s Data able of response
CBI	Incinerator 1 2 3 Indicate by circl Yes	if Office o	Air Po Control NA NA Of Solid Wast ropriate resp	llution Device survey has onse.	in your proc	Types Emission Avail NA NA NA ted in lieu	of s Data able of response

						DD OUT I D
DADT	Δ	EMPLOYMENT	AND	POTENTIAL.	EXPOSURE	PROFILE

explanation and	an example.)			er to the instruct	Number of
Data Element	PLEASE X SEE NOTE	Hourly Workers	intained for Salaried Workers	Data Collection Began	Years Records Are Maintained
Date of hire		NA	X	<u>BEFORE 1978</u>	INDEFINITE
Age at hire		NA	X	BEFORE 1978	INDEFINITE
Work history of before employm facility		NΑ	×	BEFORE 1978_	INDEFINITE
Sex		NA	X	BEFORE 1978	INDEFINITE
Race		NA	X	BEFORE 1978	INDEFINITE
Job titles		NA_	X	BEFORE 1978	INDEFINITE
Start date for e	each job	NA	X	BEFORE 1978	INDEFINIT
End date for eac	h job title	_NA_	X	BEFORE 1978	INDEFINITE
Work area indust monitoring dat		_NA_	NA_	NA	NA
Personal employe data	ee monitoring	NA_	NA	NA	NA
Employee medical	history	NA_	NA	NA	NA
Employee smoking	history	_NA_	NA	NA	NA_
Accident history	7	_NA_		BEFORE 1978	INDEFINITE
Retirement date		NA NA		BEFORE 1978	INDEFINITE
Termination date	2	NA_		BEFORE 1978	INDEFINITE
Vital status of	retirees	NA	NA	NA	NA
Vital Status of		NA	NA	NA	NA

in which you engage.				
a.	b.	с.	d.	e.
Activity	Process Category	Yearly Quantity (kg)	Total Workers	Tota Worker-H
Manufacture of the	Enclosed	NA	NA	NA
listed substance	Controlled Release	NA	NA_	NA_
	0pen	NA	NA_	NA.
On-site use as	Enclosed	141,437	3	4300
reactant	Controlled Release	NA.	NA	NA
	0pen	NA	NA	NA
On-site use as	Enclosed	NA	NA	NA
nonreactant	Controlled Release	NA	NA_	<u> </u>
	0pen	NA	NA_	NA
On-site preparation	Enclosed	NA	NA	NA
of products	Controlled Release	NA	NA	NA
	0pen	NA	NA	_NA

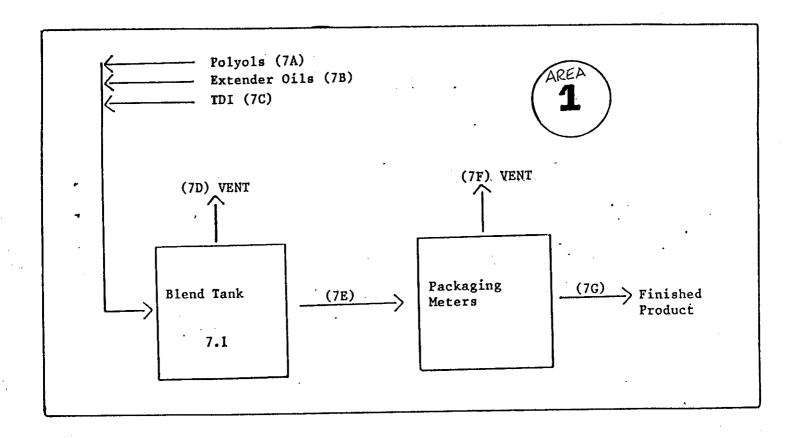
[[]_] Mark (X) this box if you attach a continuation sheet.

encompasses workers listed substance.	re job title for each labor category at your facility that who may potentially come in contact with or be exposed to the
l Labor Category	Descriptive Job Title
A	GENERAL LABOR
В	CONTENTE LABOR
C	
D	
E	
F	
G	
Н	
I	
J	

9.04 In accordance with the instructions, provide your process block flow diagram(s) and indicate associated work areas.

CBI

Process type LIQUID CHEMICAL BLENDING PROCESS



[__] Mark (X) this box if you attach a continuation sheet.

9.05 CBI	may potentially come i	ork area(s) shown in question 9.04 that encompass workers who n contact with or be exposed to the listed substance. Add any hown in the process block flow diagram in question 7.01 or question and complete it separately for each process type.
[_]	Process type	LIQUID CHEMICAL BLENDING PROCESS
	Work Area ID	Description of Work Areas and Worker Activities
	1	WAREHOUSE / BLENDING + PACKAGING
	2	
	3	
	4	
	5	
	6	
	7	
	8	
	9	
	10	
		·
[_]	Mark (X) this box if y	ou attach a continuation sheet.

[_]	Process type	LIQ	UID CHEMICAL	BLEN	IDING PROC	ESS			
	Work area								
	Labor <u>Category</u>	Number of Workers Exposed	Mode of Exposur (e.g., dire skin contac	ct	Physical State of Listed Substance ¹	Average Length of Exposure Per Day	Number of Days per Year Exposed		
	A	3	INHALATION		GU	E	240		
	_A	3	DIRECT SKIN	CONTAC	TOL	B	50		
									
	Party Co. C. Called								
	the point of GC = Gas (tempe GU = Gas (tempe inclu SO = Solid Use the fol A = 15 minu B = Greater exceedi	condensible according to the condensible acco	essure) at ambient essure; pors, etc.) to designate ave	SY = AL = OL = IL = Tage 1 D = E = OE	Sludge or sl Aqueous liquorganic liquorgan	urry aid aid iquid ases, e.g., .0% toluene) sure per day: 2 hours, but aours 4 hours, but	not		
	C = Greater	than one hourning 2 hours	r, but not		exceeding 8 h Greater than	ours			

9.07	Weighted Average (egory represented in question 9.06 TWA) exposure levels and the 15-min stion and complete it separately for	nute peak exposure levels.
<u>CBI</u>			
[_]	Process type	LIQUID CHEMICAL BLENDIN	16
	Work area		1
	Labor Category	8-hour TWA Exposure Level (ppm, mg/m ³ , other-specify)	15-Minute Peak Exposure Level (ppm, mg/m³, other-specify)
	A	0.002 ppm	NA

8	If you monitor worke	r exposur	e to the lis	sted substar	ice, compl	lete the fo	ollowing table
]	Sample/Test	Work Area ID	Testing Frequency (per year)	Number of Samples (per test)	Who Samples ¹	Analyzed In-House (Y/N)	Number of Years Record Maintained
	Personal breathing zone	NA_	NA.	NA	NA	NA	_NA
	General work area (air)		DAILY (2100	CONTINUOUS	5 D	<u> </u>	NA
	Wipe samples	NA_	NA_	NA	NA_	_NA_	NA NA
	Adhesive patches	NA_	NA_	NA	NA	NA	NA
	Blood samples	_NA_	NA	NA_	NA	NA	NA
	Urine samples	NA_	NA_	NA	NA	NA_	NA
	Respiratory samples	_NA_	NA	NA	NA	NA	NA
	Allergy tests	NÁ	NA	NA_	NA_	NA	NA
	Other (specify)			. •			
	NA.	NA_	NA	NA	NA	NA	NA
	Other (specify)				. •		
	Other (specify)					And the Control of th	
	¹ Use the following contact A = Plant industrial B = Insurance carrie C = OSHA consultant D = Other (specify)	l hygieni er	st		monitorin	g samples:	

	<u>Sample Type</u>		Sampling and Analyti	cal methodolo	<u>gy</u>
	AIR-GENERAL WORK	AIR SAMPLE	S PASSED THROUG	H CHEMICA	LLY
	AREA		ED TAPE, READ		
			ON CONTINUOUS (/
		TR	OTT CONTINUED		
			and the second s		
	A Marian Caraca				
9.10	If you conduct perso	nal and/or ambien	t air monitoring for	the listed s	ubstance,
	specify the followin	g information for	each equipment type	used.	
CBI	Equipment Type ¹	Detection Limit	² <u>Manufacturer</u>	Averaging Time (hr)	Model Number
-	Ē	0.00 - 0.08 A	MDA SCIENTIFIC	0.30	7000
				(CONTINUOUS)	
	- Harry				
	¹ Use the following c	odes to designate	personal air monito	ring equipmen	t types:
	A = Passive dosimet B = Detector tube	er			
	C = Charcoal filtra D = Other (specify)		mp		
	Use the following c	odes to designate	ambient air monitor	ing equipment	types:
	E = Stationary moni F = Stationary moni	tors located with	in work area in facility		
	G = Stationary moni	tors located at p	lant boundary cify)		
	I = Other (specify)				
	² Use the following c	odes to designate	detection limit uni	ts:	
	A = ppm B = Fibers/cubic ce C = Micrograms/cubi				
	_				

<u>I</u>	Test Description	Frequency (weekly, monthly, yearly, etc.
_	NA	NA.
_		
_		
_		
_		

9.12 <u>CBI</u>	Describe the engineering cont to the listed substance. Pho process type and work area.	rols that you tocopy this o	u use to reduce of question and comp	r eliminate wor lete it separat	ker exposure ely for each
[_]	Process type	LIQUID C	LHEMICAL BLEI	NDING PROCES	ڪز
	Work area				
	Engineering Controls	Used (Y/N)	Year _Installed	Upgraded (Y/N)	Year Upgraded
	Ventilation:				
	Local exhaust	Y	1978		1980
	General dilution	N	NA	<u> </u>	NA
	Other (specify)				
		NA	NA	<u>NA</u>	NA
	Vessel emission controls	<u>Y</u>	1978	N	NA
	Mechanical loading or packaging equipment	Υ	1978	N	NA
	Other (specify)	,		1	
	Nitrogen Positive Pressure Pad on Tanks	\	1978	<u>N</u>	NA
	Pad on Tanks				

[__] Mark (X) this box if you attach a continuation sheet.

<u>I</u>	prior to the reporting year that have resulted in a reducti the listed substance. For each equipment or process modifi the percentage reduction in exposure that resulted. Photoc complete it separately for each process type and work area.	cation described, stat copy this question and
- _]	Process type LIQUID CHEMICAL BLENDING PO	ROCESS
_	Work area	1
	Equipment or Process Modification	Reduction in Worker Exposure Per Year (%
		NA
	NONE	NA

<u>CBI</u>	substance. Phot and work area.		e it separately for each process typ
[_]		LIQUID CHEMICAL BLE	ENDING PROCESS
	work area	•••••••••	
		Equipment Types Respirators Safety goggles/glasses Face shields Coveralls Bib aprons Chemical-resistant gloves Other (specify) BOOTS	Wear or Use (Y/N) Y N N N Y
			

 $[\underline{ }]$ Mark (X) this box if you attach a continuation sheet.

9.15	process type respirators tested, and	use respirators when we, the work areas wher used, the average usa the type and frequence separately for each p	e the respiratinge, whether or my of the fit t	ors are us not the r	ed, the type espirators w	or ere fit
CBI						
[_]	Process type	LIQUID	CHEMICAL E		PROCES S	
	Work Area_	Respirator Type	Average Usage ¹	Fit Tested <u>(Y/N)</u>	Type of Fit Test ²	Frequency of Fit Tests (per year)
	ORG	BANIC CHEMICAL	<u>E</u>	NA_	NA	NA
		y year (specify) <u>ONCE EVEF</u> llowing codes to desig tative	4		s t:	

9.19 <u>CBI</u>	Describe all of the work preliminate worker exposure tauthorized workers, mark armonitoring practices, proviquestion and complete it se	o the listed su eas with warnin de worker train	bstance (e.g. g signs, insu ing programs,	, restrict en re worker det etc.). Phot	ection and eccopy this
[_]	Process type LIQUID	CHEMICAL I	BLENDING F	PROCESS	
	Work area				
	HAZARD COMMUNICA	TION TRAININ	G; SAFETY	INSPECTION	5;
	WEEKLY SAFETY MEE				
	ALL STORAGE AND PR		ARE MAIN	TAINED WIT	TH A POSITIVE
	PRESSURE PAD OF				
	CONTAIN FUMES.				
9.20	Indicate (X) how often you leaks or spills of the list separately for each process	ed substance. type and work	Photocopy thi area.	s question an	ean up routine nd complete it
	Process type LIQUIT			ROCESS	
	Housekeeping Tasks	Less Than Once Per Day	1-2 Times Per Day	3-4 Times Per Day	More Than 4 Times Per Day
	Sweeping	NA	NA_	NA	NA
	Vacuuming	NA	NA	NA	NA
	Water flushing of floors	NA	NA	NA	NA
	Other (specify)				
	ABSORBENT/NEUTRALIZER	X	NA	NA	NA
	,				

9,21	Do you have a written medical action plan for responding to routine or emergency exposure to the listed substance?
	Routine exposure
•	Yes 1
	No 2
	Emergency exposure
	Yes 1
	No 2
	If yes, where are copies of the plan maintained?
	Routine exposure:
	Emergency exposure:
9.22	Do you have a written leak and spill cleanup plan that addresses the listed substance? Circle the appropriate response.
	Yes
	No 2
	SPCC Plan in Manager's Office If yes, where are copies of the plan maintained? Environmental Office
	Has this plan been coordinated with state or local government response organizations? Circle the appropriate response.
	Yes
	No 2
9.23	Who is responsible for monitoring worker safety at your facility? Circle the appropriate response.
	Plant safety specialist 1
	Insurance carrier 2
	OSHA consultant 3
	Other (specify) 4
[-]	Mark (X) this box if you attach a continuation sheet.

SECTION 10 ENVIRONMENTAL RELEASE

General Instructions:

Complete Part E (questions 10.23-10.35) for each non-routine release involving the listed substance that occurred during the reporting year. Report on all releases that are equal to or greater than the listed substance's reportable quantity value, RQ, unless the release is federally permitted as defined in 42 U.S.C. 9601, or is specifically excluded under the definition of release as defined in 40 CFR 302.3(22). Reportable quantities are codified in 40 CFR Part 302. If the listed substance is not a hazardous substance under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and, thus, does not have an RQ, then report releases that exceed 2,270 kg. If such a substance however, is designated as a CERCLA hazardous substance, then report those releases that are equal to or greater than the RQ. The facility may have answered these questions or similar questions under the Agency's Accidental Release Information Program and may already have this information readily available. Assign a number to each release and use this number throughout this part to identify the release. Releases over more than a 24-hour period are not single releases, i.e., the release of a chemical substance equal to or greater than an RQ must be reported as a separate release for each 24-hour period the release exceeds the RQ.

For questions 10.25-10.35, answer the questions for each release identified in question 10.23. Photocopy these questions and complete them separately for each release.

PART	A GENERAL INFORMATION
10.01	Where is your facility located? Circle all appropriate responses.
CBI	
[_]	Industrial area1
	Urban area 2
	Residential area 3
	Agricultural area 4
	Rural area 5
	Adjacent to a park or a recreational area 6
	Within 1 mile of a navigable waterway
	Within 1 mile of a school, university, hospital, or nursing home facility 8
	Within 1 mile of a non-navigable waterway9
	Other (specify)10
$\overline{{j}}$	Mark (X) this box if you attach a continuation sheet.

	is located) in terms of latitude a (UTM) coordinates.			
	Latitude		29 . 37	<u>' 30 "</u>
	Longitude		95 • 2	44 "
	UTM coordinates Zone	, Northi	ng, Ea	sting
19-Q3	If you monitor meteorological cond the following information.	litions in the vicini	ty of your faci	lity, provide
	Average annual precipitation			inches/year
	Predominant wind direction			
		_		
10.04	Indicate the depth to groundwater	below your facility.		
-9.5	Depth to groundwater			meters
	zopu. W Browns	_		
10.05 CBI	For each on-site activity listed, listed substance to the environment Y, N, and NA.)	indicate (Y/N/NA) al	l routine relea	ses of the
	For each on-site activity listed, listed substance to the environment, N, and NA.)	indicate (Y/N/NA) al nt. (Refer to the in Envi	l routine relea structions for ronmental Relea	ses of the a definition of se
<u>CBI</u>	For each on-site activity listed, listed substance to the environment Y, N, and NA.) On-Site Activity	indicate (Y/N/NA) al nt. (Refer to the in Envi	l routine relea structions for ronmental Relea Water	ses of the a definition of seLand
<u>CBI</u>	For each on-site activity listed, listed substance to the environment, N, and NA.)	indicate (Y/N/NA) alnt. (Refer to the in Envi	l routine releastructions for ronmental Relea	ses of the a definition of se Land
<u>CBI</u>	For each on-site activity listed, listed substance to the environment Y, N, and NA.) On-Site Activity	indicate (Y/N/NA) al nt. (Refer to the in Envi	l routine releastructions for ronmental Relea	ses of the a definition of seLand
<u>CBI</u>	For each on-site activity listed, listed substance to the environment Y, N, and NA.) On-Site Activity Manufacturing	indicate (Y/N/NA) alnt. (Refer to the in Envi Air N	l routine releastructions for ronmental Relea	ses of the a definition of se Land
<u>CBI</u>	For each on-site activity listed, listed substance to the environment Y, N, and NA.) On-Site Activity Manufacturing Importing	indicate (Y/N/NA) alnt. (Refer to the in Envi	l routine releastructions for ronmental Relea Water N N N	ses of the a definition of se Land N N
<u>CBI</u>	For each on-site activity listed, listed substance to the environment, N, and NA.) On-Site Activity Manufacturing Importing Processing	indicate (Y/N/NA) alnt. (Refer to the in Envi Air N	l routine releastructions for ronmental Relea	ses of the a definition of se Land
<u>CBI</u>	For each on-site activity listed, listed substance to the environment, N, and NA.) On-Site Activity Manufacturing Importing Processing Otherwise used	indicate (Y/N/NA) alnt. (Refer to the in Envi Air N	l routine releastructions for ronmental Relea Water N N N	ses of the a definition of se Land N N
<u>CBI</u>	For each on-site activity listed, listed substance to the environment Y, N, and NA.) On-Site Activity Manufacturing Importing Processing Otherwise used Product or residual storage	indicate (Y/N/NA) alnt. (Refer to the in Envi Air N	l routine releastructions for ronmental Relea Water N N N	ses of the a definition o
<u>CBI</u>	For each on-site activity listed, listed substance to the environment Y, N, and NA.) On-Site Activity Manufacturing Importing Processing Otherwise used Product or residual storage Disposal	indicate (Y/N/NA) alnt. (Refer to the in Envi Air N N N N N N N	l routine releastructions for ronmental Relea Water N N N N	ses of the a definition of se Land N N
<u>CBI</u>	For each on-site activity listed, listed substance to the environment Y, N, and NA.) On-Site Activity Manufacturing Importing Processing Otherwise used Product or residual storage Disposal	indicate (Y/N/NA) alnt. (Refer to the in Envi Air N N N N N N N	l routine releastructions for ronmental Relea Water N N N N	ses of the a definition of se Land N N
<u>CBI</u>	For each on-site activity listed, listed substance to the environment Y, N, and NA.) On-Site Activity Manufacturing Importing Processing Otherwise used Product or residual storage Disposal	indicate (Y/N/NA) alnt. (Refer to the in Envi Air N N N N N N N	l routine releastructions for ronmental Relea Water N N N N	ses of the a definition of se Land N N

10.06 CBI	Provide the following information for the listed of precision for each item. (Refer to the instran example.)	l substance and s ructions for fur	specify the level ther explanation and
[_]	Quantity discharged to the air	6.4	kg/yr <u>+</u> <u>UK</u> %
	Quantity discharged in wastewaters	. 0	kg/yr ± <u></u> %
	Quantity managed as other waste in on-site treatment, storage, or disposal units	NA	kg/yr ± <u>NA</u> %
	Quantity managed as other waste in off-site treatment, storage, or disposal units	NA	kg/yr <u>+ NA</u> %

10.08 CBI	Describe the control technologies used to minimize release of the listed substance for each process stream containing the listed substance as identified in your process block or residual treatment block flow diagram(s). Photocopy this question and complete it separately for each process type.									
[_]	Process type	LIQUID CHEMICAL BLENDING PROCE	ESS							
	Stream ID Code	Control Technology	Percent Efficiency							
	7C	ENCLOSED SYSTEM	NA							
	7 <u>E</u>	ENCLOSED SYSTEM	NA							
	76	ENCLOSED SYSTEM	NA							
	70	NA (fugitives)	NA							
	7F	NA (fugitives)	NA							
		ı								

PART B 10.09 CBI	substance in terms of residual treatment b	ons Identify each emission point source containing the listed of a Stream ID Code as identified in your process block or colock flow diagram(s), and provide a description of each point lude raw material and product storage vents, or fugitive emission oment leaks). Photocopy this question and complete it separately be.
	Process type	LIQUID CHEMICAL BLENDING PROCESS
	Point Source ID Code	Description of Emission Point Source
	7D	BLEND TANK
		PACKAGING

Mark

(x)

this

yoq

i f

	Emissio 10.09 l	on Character Dy completi	ristics Ch ng the followi	aracterize the	e emissions fo	or each Point	Source ID Cod		
(<u></u>)	Point Source ID Code	Physical State	Average Emissions (kg/day)	Frequency ² (days/yr)	Duration ³ (min/day)	Average Emission Factor ⁴	Maximum Emission Rate (kg/min)	Maximum Emission Rate Frequency (events/yr)	Maximum Emission Rate Duration (min/event)
	<u>7D</u>	G	0.0005	_50	240	1.8 × 10 ⁻⁷	3.5 X (0 ⁻⁷	_50_	240
	7F	G	0.0002	_50_	_240_	1.8×10 ⁻⁷	1.4 × 10-7	60	240

									-10.
	¹ Use the G = G	he followin as; V = Vap	g codes to des or; P = Partic	signate physic culate; A = Ae	al state at trosol; 0 = Ot	he point of r her (specify)	elease:		

²Frequency of emission at any level of emission

³Duration of emission at any level of emission

 $^{^4}$ Average Emission Factor — Provide estimated (\pm 25 percent) emission factor (kg of emission per kg of production of listed substance)

_]	Point Source ID Code	Stack Height(m)	Stack Inner Diameter (at outlet) (m)	Exhaust Temperature (°C)	Emission Exit Velocity (m/sec)	Building Height(m)	Building Width(m)	Ven Typ
	<u>7D</u>	NA	NA	22_	UK_	_NA	NA	
	<u>7F</u>	NA	NA NA	22	<u>UK</u>	NA	NA	
							•	4
	¹ Height o	of attached	or adjacent	building		,		
	² Width of	attached o	or adjacent l	ouilding				
	³ Use the	following o	codes to desi	ignate vent	type:			
	H = Hori V = Vert			٠				

.12	distribution for each Point Source	in particulate form, indicate the particle size ID Code identified in question 10.09. e it separately for each emission point source
Ī		
_]	Point source ID code	NA
	Size Range (microns)	Mass Fraction (% ± % precision)
	< 1	NA
	≥ 1 to < 10	NA NA
	≥ 10 to < 30	NA
	≥ 30 to < 50	NA
	≥ 50 to < 100	NA
	≥ 100 to < 500	NA NA
	≥ 500	NA
		Total = 100%

 $[\ \]$ Mark (X) this box if you attach a continuation sheet.

LIQUII	that the li	sted subs	stance is		to this p ····	Percent
ime per year	Number Less than 5%	of Compor of Listed	nents in Since 15 in Substance 11-25%	exposed Service by	to this p — y Weight cess Stre	Percent am Greater
	Number Less than 5%	of Listed 5-10%	11-25%	ce in Pro	cess Stre	am Greater
inal ²	<u>than 5%</u>			26-75%	76-99%	
inal ²						
ionl ²	NA	<u>NA</u>	NΑ			
ionl ²	NA			NΑ	_NA_	NA
ion12		NA	NA	NA	NA	NA
icai		NA	NA	NA	NA	
s ¹	NA	NA	NA	NA	NA	NA
	8	NA .	NA_	NA	NA	20
	NA_	NA	NA_	NA	NA	NA
	7	NA	NA_	NA	NA_	
devices ⁴ only)		<u>NA</u>	<u>NA</u>	NA_	NA	
ons						
	NA ·	NA	NA	NA	NA	NA
_		NA	NA	NA	NA	O
s ⁵ vent)						
	NA	NA	<u>_NA_</u>	NA	NA	<u> </u>
	<u>NA</u>	_NA_	NA_	<u>_NA_</u>	NA	_NA_
-	only) ons s ⁵ vent)	devices 4 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	devices device	devices device	devices device	devices device

Mark (X) this box if you attach a continuation sheet.

10.13	(continued)			
	² If double mechanical sea greater than the pump st will detect failure of t with a "B" and/or an "S"	uffing box pressure a he seal system, the b	nd/or equipped wi	th a sensor (S) that
	³ Conditions existing in t	he valve during norma	l operation	
	⁴ Report all pressure relic control devices	ef devices in service	e, including those	equipped with
	⁵ Lines closed during norma operations	al operation that wou	ald be used during	maintenance
10.14 <u>CBI</u>	Pressure Relief Devices w pressure relief devices in devices in service are con enter "None" under column	dentified in 10.13 to ntrolled. If a press	indicate which D	is not controlled,
ι,	a. Number of	b. Percent Chemiçal	c.	d. Estimated
	Pressure Relief Devices	in Vessel ¹	Control Device	Control Efficiency
		<u> </u>	HONE	NA
		> 99 %	NONE	NA_
	Refer to the table in que heading entitled "Number Substance" (e.g., <5%, 5-	of Components in Serv	rd the percent ran vice by Weight Per	ge given under the cent of Listed
	² The EPA assigns a control with rupture discs under efficiency of 98 percent conditions	normal operating cond	ditions. The EPA	assigns a control
[_]	Mark (X) this box if you a	ttach a continuation	sheet.	
		110		

Process type			LIQUID C	HEMICAL	BLENDIN G
Equipment Type	Leak Detection Concentration (ppm or mg/m³) Measured at Inches from Source	Detection Device	Frequency of Leak Detection (per year)	Repairs Initiated (days after detection)	Repairs Completed (days after initiated)
Pump seals					
_	NA	NA	NA	NA	NA_
Mechanical		NA_	NA	NA	NA
Double mechanical		NA	NA	NA_	NA
Compressor seals	NA	NA_	NA	NA	NA_
Flanges	NA	_NA_	NA	<u>NA</u>	NA
Valves					
Gas	NA	NA	NA	<u>NA</u>	NA
Liquid	NA	NA	_NA_	NA	NA
Pressure relief devices (gas or vapor only)	NA	NA	NA_	NA	NA
Sample connections					
Gas	NA	_NA	NA.	NA	NA
Liquid	NA	NA_	NA	NA	NA
Open-ended lines					
Gas	NA	NA	NA		NA
Liquid	NA	NA	<u>NA</u>	NA	NA
	Pump seals Packed Mechanical Double mechanical Compressor seals Flanges Valves Gas Liquid Pressure relief devices (gas or vapor only) Sample connections Gas Liquid Open-ended lines Gas	Concentration (ppm or mg/m³) Measured at Inches From Source Pump seals Packed Mechanical Double mechanical NA Compressor seals Flanges Valves Gas Liquid Pressure relief devices (gas or vapor only) Sample connections Gas Liquid Open-ended lines Gas NA	Concentration (ppm or mg/m³) Measured at Inches Inches From Source Pump seals Packed Mechanical Double mechanical NA NA NA Compressor seals Flanges Valves Gas Liquid Pressure relief devices (gas or vapor only) Sample connections Gas Liquid NA	Concentration (ppm or mg/m³) Measured at Inches Inches Frequency of Leak Detection Device (per year) Pump seals Packed NA NA NA Mechanical NA NA NA Double mechanical NA NA NA Flanges NA NA NA Valves Gas NA NA NA NA Liquid NA NA NA Pressure relief devices (gas or vapor only) Sample connections Gas NA NA NA NA Liquid NA NA NA	Concentration (ppm or mg/m) Measured at Inches of Leak Initiated (days after from Source Device (per year) Pump seals Packed NA

	[] Ma	10.16 CBI	liquid	raw mater	ial, interme	nd Product Si diate, and p flow diagram	roduct si	nissions - torage ves	– Complet sel contai	e the f	following me liste Operat-	a substano	provid e as id	ing the in entified i	formation on your prox	on each cess block
	Mark (X) this	[_]	Vessel Type	Roof Seals ²	of Stored Materials ³	Throughput (liters per year)	Vessel Filling Rate (gpm)	Vessel Filling Duration (min) 55		Height (m)	Volume (1)_	Controls	Rate		Control Efficiency (%)	Basis for Estimate ⁶
	box if y		F	NA NA		52,470 1,400,000	80					N ₂ Pad		20.3cm		NA_
	you attach															
1	a continuati															
The state of the s	ation sheet.		F CIF NCIF EFR P H	= Fixed r = Contact = Noncont = Externa	oof internal fl act internal l floating r e vessel (in	floating ro	of		MSI MSZ MSZ LMI LMI VM	L = Mec 2 = Sho 2R = Rin L = Lic 2 = Rin W = Wea 1 = Van 2 = Rin	chanical pe-mount n-mounte quid-mounte ather sh por moun	shoe, pried seconda d, seconda nted resid d shield ield ited resil	imary ary ary lient fi	lled seal,		s:
				_	_	the listed	substanc	e. Includ	le the tot	al vola	tile org	ganic cont	ent in p	parenthesis	3	
					ating roofs					d] (annaif.	flar mta	, mitcl			
				•		mission contr						IIOW rate	units)			
					•	designate b	asis for	estimate	or contro	T GIIIC	iency:					
			-	Calculation Sampling	ons											

10.23	Indicate was stopp list all	ed. If there $oldsymbol{v}$	ime when the rovere more than	elease occurred six releases,	l and when the rel attach a continua	ation sheet and
	Release		ite irted	Time (am/pm)	Date Stopped	Time (am/pm)
	1	N	Α	NA	NA	NA
	2					
	3	-				
	4	***************************************				
	5					
						
10-24	6	he weather cond	ditions at the	time of each 1	celease.	
10.24	6	he weather cond Wind Speed (km/hr)	ditions at the Wind Direction	time of each notes that the second se	Temperature	Precipitatio (Y/N)
10-24	6 Specify t	Wind Speed	Wind	Humidity	Temperature	Precipitatio (Y/N)
10 24	Specify t	Wind Speed	Wind	Humidity	Temperature	Precipitatio (Y/N)
10.24	Specify t	Wind Speed	Wind	Humidity	Temperature	Precipitatio (Y/N)
10-24	Specify to Release	Wind Speed	Wind	Humidity	Temperature	Precipitatio (Y/N)
10-24	Specify to Release 1 2 3	Wind Speed	Wind	Humidity	Temperature	Precipitatio (Y/N)

[_]	Mark	(X)	this	box	if you	attach	а	continuation	sheet.

Material Safety Data Sheet

الأطب المساعدة والمرارك

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No. 1218-0072



Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that, IDENTITY (As Used on Label and Ust) RE-PNEU or SUPÉRFLEX Component A Section 1 Manufacturer's Name ARNCO Emergency Telephone Number (800)424-9300 Telephone Number for Information Address (Number, Street, City, State, and ZIP Code) One Centerpoints Drive (202)483-7616 Date Prepared La Palma, CA 90623-1094 March 1987 Signature of Preparer (optional) (714)739-7900 Section II - Hazardous Ingredients/Identity Information Other Limits OSHA PEL ACGIH TLV Recommended % (optional) Hazardous Components (Specific Chemical Identity; Common Name(s)) Toluene diisoccyanate (TDI) and TDI prepolymer 0.02 ppm Petroleum hydrocarbons $0.2mg/m^{3}$ Section III - Physical/Chemical Characteristics Specific Gravity (H2O = 1) **Boding Point** 440°F 1.01 Vapor Pressure (mm Hg.) Malting Point NE N/A Evaporation Rate Vapor Density (AIR = 1) NE NE (Butyl Acetate = 1) Solubility in Weler Insoluble, reacts with water to liberate carbon dioxide gas. Appearance and Odor Coffee brown liquid, pungent odor. Section IV - Fire and Explosion Hezard Data UEL Flammable Limits Flash Point (Melhod Used) 356°F COC NE NE Extinguishing Media
Dry Chemical, chemical foam, carbon dioxide. Special Fire Fighting Procedures Wear self-contained pressure demand breathing apparatus to guard against incompletely combusted carbon products. Unusual Fire and Explosion Hazards

Closed containers may explode from extreme heat or from water contamination (reaction releases carbon dioxide).

Section V —	Reactivity Data								
Stability	Unstable		Conditions to Avoid Moisture contamination will release carbon dioxide, leading to pressure build-up in closed contains						
	Stable	X	At ambient temperature	and pressu	re.				
incompatibility	(Materials to Avoid)		Water, alcohols, strong ba	ses, oxidiz	ters and amines.				
Hazardous Deco	mposition or Byprodu	cts	High temperature and bur traces of HCN,	ing condit	ions may release TDI vapors, oxides of carbon and nitrogen, and				
Hatardous Polymerization	May Occur	х	Conditions to Avoid Avoid prolor ged heating above 160°F, for polymerization may occur bu constitute a safety hazard.						
	Will Not Occur			,					
Section VI -	- Health Hazard	Data	·						
Route(s) of Entry	: Inha	lation?	X	Skin?	Ingestion? X				
Health Hazards	(Acute and Chronic)	INH	IALATION: May cause bre	athlessnes:	s, dizziness and nausea.				
		SKI	N: Irritation and allergic ser	sitivity m	ay occur for some individuals.				
				1455 14-	nographs? OSHA Regulated?				
Caroinogenicity:	Contains petrole	m oils	similar to ones categorized	by TARC	as causing skin cancer in mice after prolonged				
			my potential nazard can be r by washing throughly after h		by using recommended protective equipment to				
Signs and Symp	toms of Exposure	INI	HALATION: Immediate or	delayed re	spiratory sensitization and asthma-like conditions.				
		SK	IN: Reddening, swelling or	blistering					
Medical Condition Generally Aggres	ns reted by Exposure	Pre-	existing unspecific bronchial	hypersons	itivity and potentially, any allargies.				
Emergency and	First Aid Procedures INHALATION	i: Rem	ove person to fresh air. SK	N: Remov	e contaminated clothing, wipe affected area with isopropyl				
	LICONOL TOLLOWS	IDV KOR	p and water. EYES: Flush imr is amounts of water and consult	DOCUMEN W	in water for at least 13 minutes, got medical attenuent				
Section VII -			e Hendling and Use						
Steps to Be Tak	en in Case Material i Properly p	s Relea rotectes	eed or Spilled I personnel should contain s	pill. Vent	ilate area, cover spill with sawdust, vermiculite or other				
	absorbent	materia	. Scoop and place in open	container (and treat with decontamination solution (93% water,				
	5% ammo	nie, 2%	detergent). Leave open in	a ventilate	d area for 24 hours.				
Waste Disposal	Method Bury or la	ndfill d	econtaminated waste in acco	rdance wi	th Federal, State, and local environmental control				
	regulation	I							
Precautions to B	e Taken in Handling Store in			lrv place p	rotected from heat and moisture contamination.				
Other Precaution	DO NOT	RESEA	L containers if contamination	n is suspe	cted. Personal, good hygienic practices are recommended,				
	like washi	ng hand	is before eating or smoking,						
	— Control Meas								
Respiratory Proti		condit	ions.	IA/NIOSH	approved respirator for high concentrations and emergency				
Ventilation		Strongly below C	y recommended to maintain OSHA TLV limits.		Special None Known				
	Mechanical (Genera	echanical (General) Recommended			Other None Known				
Protective Glove	Chemical Re	sistant,	natural rubber	Eye Pr	otection Chemical worker's goggles				
Other Protective	Clothing or Equipme	nt rv cnet	s or suitable clothing to avoi	d skip con	stact. Safety showers and eve wash stations.				
Work/Hygienia P	racticas		equipment to prevent eye and						

RePneu, Part "A"

For Permanent Flatproofing of Moderate Pressure Tires

Mix Part "A" With an Equal Volume of Part "B"

Caution!

Contains TDI 2. 4 Isomer which, based on animal research, may cause cancer. Contains hydrocarbon oil, which has caused cancer in mice after prolonged and repeated contact. May also cause pulmonary sensitization or skin and eye irritation. Wear rubber gloves and eye protection when handling contents. Only use in a well ventilated area. Asthmatics may experience a severe reaction to vapors. FOR CHEMICAL EMERGENCY: SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CALL CHEMTREC - DAY OR NIGHT (800) 424-9300.

First Aid

IF INHALED: Remove person to fresh air, if not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen, call a physician. SKIN CONTACT: Wash skin with soap and water. Remove contaminated clothing. EYE CONTACT: Flush eyes with water; continue for at least 15 minutes. Call a physician.

Spill or Leak

In case of a liquid spill, absorb the spilled material with sawdust or vermiculite, sweep into a waste container, neutralize with decontamination solution (93% water, 5% ammonia, 2% detergent) and store opened container outdoors for a minimum of 24 hours. Disposal of neutralized waste must be in accordance with federal, state and local government environmental control regulations.

Read Material Safety Data Prior to Use

Safety Precautions:

- 1. For detailed safety and technical information, refer to the Material Safety Data Sheet and the Tire Flatproofing Manual.
- 2. Contents absorb moisture. Store below 90°F, temperature. Tighten caps to seal drums for storage.
- 3. Material temperature should be 72° F. minimum prior to processing. Cold materials become thick which slows pumping, and can cause inadequate mixing and poor cure.
- 4. Be sure to inspect all rims, lock rings, wheels, and associated restraining bolts for structural defects prior to processing. Never leave pump unattended while in operation.
- 5. Liquid pressure in flatproofing equipment is five times the air supply pressure. The high pressures generated can burst tires or dislodge split rims with a lethal force. Use a safety cage, chains or other restraining devices when processing tires. Be certain tires are never pressurized over manufacturer's rated pressures.
- 6. Place tires in horizontal position at 72°F, minimum to cure. Tires cured vertically on equipment must be elevated and rotated 180 degrees every two hours for 6 hours.
- 7. Disconnect material supply hoses with caution. Loosen couplings and release pressure slowly before disconnecting.
- 8. Reactive materials must be thoroughly flushed from the pump and lines after shut-down, with isopropyl alcohol. Solidified material is insoluble. Clean up any spilled material before cure.

Warning: This product contains a chemical known to the State of California to cause cancer.

NOTICE TO PURCHASER: The recommendations for the use of this material are based on tests believed to be reliable. Results obtained by others under different conditions are not guaranteed. Purchaser shall determine by separate tests that this product is suitable for its intended use. NO WARRANTY OF FITNESS IS MADE FOR ANY PARTICULAR PURPOSE.

ARNCO PRODUCTS ARE PROTECTED BY THE FOLLOWING PATENTS: US 4461788, US 4426488, US 44166844, US 4327793, US 4310042, US 4273176, US 4127166, US 4081429, US 4068690, US RE 29890



5141 Firestone Place South Gate, CA 90280-3570 Phone: (213) 567-0587 (714) 739-7900

LOT NUMBER:

41.

NET WEIGHT: 455 lbs.

SuperFlex, Part "A"

For Permanent Flatproofing of Low Pressure Tires

Mix Part "A" With an Equal Volume of Part "B"

Safety Data Prior to Use

Caution!

Contains TDI 2, 4 Isomer which, based on animal research, may cause cancer. Contains hydrocarbon oil, which has caused cancer in mice after prolonged and repeated contact. May also cause pulmonary sensitization or skin and eye irritation. Wear rubber gloves and eye protection when handling contents. Only use in a well ventilated area. Asthmatics may experience a severe reaction to vapors. FOR CHEMICAL EMERGENCY: SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CALL CHEMTREC - DAY OR NIGHT (800) 424-9300.

First Aid

IF INHALED: Remove person to fresh air, if not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen, call a physician. SKIN CONTACT: Wash skin with soap and water. Remove contaminated clothing. EYE CONTACT: Flush eyes with water, continue for at least 15 minutes. Call a physician.

Spill or Leak

In case of a liquid spill, absorb the spilled material with sawdust or vermiculite, sweep into a waste container, neutralize with decontamination solution (93% water, 5% ammonia, 2% detergent) and store opened container outdoors for a minimum of 24 hours. Disposal of neutralized waste must be in accordance with federal, state and local government environmental control regulations.

Safety Precautions:

1. For detailed safety and technical information, refer to the Material Safety Data Sheet and the Tire Flatproofing Manual.

Read Material

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- 4. Be sure to inspect all rims, lock rings, wheels, and associated restraining bolts for structural defects prior to processing. Never leave pump unattended while in operation.
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Warning: This product contains a chemical known to the State of California to cause cancer.

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5141 Firestone Place South Gate, CA 90280-3570 Phone: (213) 567-0587 (714) 739-7900

LOT NUMBER:

NET WEIGHT: 453 lbs.

TTEM#4,05

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